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DTSO Rec'd PCT/PTO 18 JAN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Toshitada NOGUCHI et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2005\_0034A  
Filed January 18, 2005 :

PROCESS FOR PRODUCING  
CMP-N-ACETYLNEURAMINIC ACID  
[Corresponding to PCT/JP03/00258  
Filed January 15, 2003]

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

each U.S. Patent and U.S. Patent application publication;

each reference previously cited in the international application PCT/JP03/00258; and/or

each reference previously cited in prior parent application Serial No. \_\_\_\_\_.

1a.  This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

10/521576

USPTO Record PCT/PTO 18 JAN 2005

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b.  This Information Disclosure Statement is submitted after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1)  the certification of paragraph 2 below is provided, **or**
- (2)  the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c.  This Information Disclosure Statement is submitted: after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:  
**the certification of paragraph 2 below is provided, and**  
**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a.  that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b.  that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

10/521576  
DT09 Rec'd PCT/PTO 18 JAN 2005

3.  Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
  - a.  a full or partial English language translation submitted herewith,
  - b.  a foreign patent office search report (in the English language) submitted herewith,
  - c.  the concise explanation contained in the specification of the present application at page,
  - d.  the concise explanation set forth in the attached English language abstract,
  - e.  the concise explanation set forth below or on a separate sheet attached to the reference:
5.  A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Toshitada NOGUCHI et al.

By

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January 18, 2005

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: January 18, 2005

ATTY DOCKET NO.  
2005\_0034ASERIAL NO.  
NEW

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APPLICANT  
Toshitada NOGUCHI et al.FILING DATE  
January 18, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
	AJ	428947	5/1991	EP			
	AK						
	AL						
	AM						
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	K. Ishige et al. "Novel Method for Enzymatic Synthesis of CMP-NeuAc.", Biosci. Biotechnol. Biochem., August 2001, Vol. 65, No. 8, pp. 1736-1740.
	AP	M. Kittelmann et al., "CMP-N-Acetyl Neuraminic-Acid Synthetase from Escherichia Coli: Fermentative Production and application for the preparative Synthesis of CMP-neuraminic Acid", Appl. Microbiol. Biotechnol., December 1995, Vol. 44, pp. 59-67.
	AQ	

EXAMINER

DATE CONSIDERED